

DENATURANT-FREE ELECTROPHORESIS OF BIOLOGICAL
COMPOUNDS UNDER HIGH TEMPERATURE CONDITIONS

ABSTRACT

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10 The present invention relates to a method of
separating a sample comprising biological compounds, such as
nucleic acids. The nucleic acids are subjected to
electrophoresis using a matrix that is essentially free of
denaturants and having at least one random, linear copolymer
comprising a first comonomer of acrylamide and at least one
secondary comonomer. A temperature of at least a portion of
15 the matrix is at least about 80 °C.

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